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SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R) 1951-2004/Nov W2
         (c) format only 2004 The Dialog Corp.
*File 155: Medline will stop updating COMPLETED records on November 17,
2004. Please see HELP NEWS 155 for details.
  File   2:INSPEC 1969-2004/Nov W1
         (c) 2004 Institution of Electrical Engineers
*File   2: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
  File   5:Biosis Previews(R) 1969-2004/Nov W2
         (c) 2004 BIOSIS
  File   6:NTIS 1964-2004/Nov W2
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  File   8:Ei Compendex(R) 1970-2004/Nov W1
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  File  73:EMBASE 1974-2004/Nov W1
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  File 987:TULSA (Petroleum Abs) 1965-2004/Nov W2
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  File  94:JICST-EPlus 1985-2004/Oct W3
         (c)2004 Japan Science and Tech Corp(JST)
  File  35:Dissertation Abs Online 1861-2004/Oct
         (c) 2004 ProQuest Info&Learning
  File 144:Pascal 1973-2004/Nov W1
         (c) 2004 INIST/CNRS
  File 105:AESIS 1851-2001/Jul
         (c) 2001 Australian Mineral Foundation Inc
*File 105: This file is closed (no updates).
  File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Sep
         (c) 2004 The HW Wilson Co.
  File  58:GeoArchive 1974-2004/Sep
         (c) 2004 Geosystems
  File  34:SciSearch(R) Cited Ref Sci 1990-2004/Nov W2
         (c) 2004 Inst for Sci Info
  File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
  File 292:GEOBASE(TM) 1980-2004/Oct B2
         (c) 2004 Elsevier Science Ltd.
  File  89:GeoRef 1785-2004/Oct B2
         (c) 2004 American Geological Institute
*File  89: Truncate SH codes for a complete retrieval.
  File  65:Inside Conferences 1993-2004/Nov W2
         (c) 2004 BLDSC all rts. reserv.
  File 350:Derwent WPIX 1963-2004/UD,UM &UP=200474
         (c) 2004  Thomson Derwent
*File 350: For more current information, include File 331 in your search.
Enter HELP NEWS 331 for details.
  File 347:JAPIO Nov 1976-2004/Jul(Updated 041102)
         (c) 2004 JPO & JAPIO
*File 347: JAPIO data problems with year 2000 records are now fixed.
Alerts have been run.  See HELP NEWS 347 for details.
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Set	Items	Description
S1	1771117	MRI OR MAGNETIC(1W)(IMAG? OR IMAGING) OR MAGNETIC(W)RESONAN? OR NMR OR NUCLEAR()MAGNETIC()RESONANCE OR FTNMR OR FTMRI OR MAGNETORESONANCE OR PMR OR PROTON(W)MAGNETIC(W)RESONAN? OR MR()(IMAGE? OR IMAGING)
S2	41246	MC=(S01-E02A2 OR S03-E07A OR S01-E02A8A OR S01-E02A1 OR S03-E07C OR S05-D02B1 OR S03-C02F1) OR IC=(G01R-003 OR G01N-024/08 OR G01V-003/A75) OR CC=(A0758 OR A8760I OR B7510N)
S3	1785139	S1:S2
S4	171257	(EARTH?? OR GROUND?? OR ROCK? ? OR STONE? ? OR GEOLOGIC?)(3N)FORM????????
S5	184098	(EARTH?? OR GROUND?? OR ROCK? ? OR STONE? ? OR GEOLOGIC? OR SUBTERRAN? OR UNDERGROUND? OR UNDER()GROUND?)(3N)FORM????????
S6	205572	(BENEATH OR UNDER OR BELOW)(3N)(EARTH? OR GROUND? OR SURFAC?)
S7	387300	S4:S6
S8	994800	POLARIZ? OR POLARIS?
S9	636	(POLARIZ? OR POLARIZ?)(3N)AGENT? ?
S10	15336	(ENHANS? OR INCREAS? OR MAXIM? OR GREATER)(3N)(POLARIZ? OR POLARIS?)
S11	23304	(OVERHAUSER OR OVER()HAUSER)(3N)(EFFECT? ? OR NUCLEAR?)
S12	76810	OPTICAL?(3N)PUMP?
S13	140709	(MRI OR MAGNETIC(1W)(IMAG? OR IMAGING) OR MAGNETIC(W)RESONAN? OR NMR OR NUCLEAR()MAGNETIC()RESONANCE)(3N)(MONITOR????? OR MEASUR???????? OR TEST???????? OR CHECK???? OR EXAMIN????? OR DETECT????????)
S14	13511263	(LIQUID? ? OR FLUID? ? OR AQUA OR AQUEOUS OR AQUAE OR AQUAS OR H2O OR WATER??)
S15	994800	S8:S10
S16	2685	S3 AND S7
S17	171	S16 AND S15
S18	2	S17 AND S11
S19	2	RD (unique items)
S20	169	S17 NOT S18
S21	3	S20 AND S12
S22	3	RD (unique items)
S23	166	S20 NOT S21
S24	51	S23 AND S13
S25	28	S24 AND S14
S26	27	RD (unique items)
S27	63	S23 NOT S4
S28	4	S27 AND S5
S29	4	RD (unique items)
S30	59	S27 NOT S28
S31	59	S30 AND S6
S32	4	S31 AND S13
S33	3	RD (unique items)
S34	55	S31 NOT S32
S35	23	S24 NOT S25
S36	23	RD (unique items)
S37	0	S36 AND S14
S38	0	S36 AND S12
S39	23	S36
S40	3655	S15 AND S13
S41	1001	S40 AND S14
S42	1001	S41 AND S1

S43	19	S42 AND S10
S44	0	S43 AND S9
S45	19	S43
S46	15	RD (unique items)

19/3,AB/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

00874733 INSPEC Abstract Number: A76023156
Title: CIDNP during photoreactions of formaldehyde in solution
Author(s): Den Hollander, J.A.; Van Der Ploeg, J.P.M.
Author Affiliation: Dept. of Theoretical Organic Chem., Univ. of Leyden, Leyden, Netherlands
Journal: Chemical Physics Letters vol.37, no.1 p.149-52
Publication Date: 1 Jan. 1976 Country of Publication: Netherlands
CODEN: CHPLBC ISSN: 0009-2614
Language: English
Abstract: CIDNP has been studied during photolysis of formaldehyde in solution. The primary photochemical process is the hydrogen abstraction by predominant triplet excited **formaldehyde** from **ground** state **formaldehyde** . In the presence of bromotrichloromethane a singlet reaction occurs.
Subfile: A

19/3,AB/2 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

01530596 JICST ACCESSION NUMBER: 92A0473974 FILE SEGMENT: JICST-E
Correlation of Exciplex **Formation** with **Ground** State Conformations in B-(1-Pyrenyl)ethyl Benzoates.
KAWAKAMI J (1); IWAMURA M (1); NAKAMURA J (2)
(1) Toho Univ., Funabashi; (2) Inst. Physical and Chemical Research, Saitama
Chem Lett, 1992, NO.6, PAGE.1013-1016, FIG.2, TBL.1, REF.8
JOURNAL NUMBER: S0742AAV ISSN NO: 0366-7022 CODEN: CMLTA
UNIVERSAL DECIMAL CLASSIFICATION: 547.68 539.193+544.16
LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Short Communication
MEDIA TYPE: Printed Publication
ABSTRACT: B-(1-Pyrenyl)ethyl p-cyanobenzoate (P2CN) which forms an emissive intramolecular exciplex has a "folded" conformation as detected by 1H-**NMR** NOE. Precise decay lifetime analysis also confirms that the exciplex emission is mainly from that conformer. Exciplex emission was not observed for the p-chlorobenzoate (P2Cl) which did not show NOE. (author abst.) ?

22/3,AB/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

03861753 INSPEC Abstract Number: A91052806
Title: High-field **NMR** of adsorbed xenon **polarized** by laser pumping
Author(s): Raftery, D.; Long, H.; Meersmann, T.; Grandinett, P.J.; Reven, L.; Pines, A.
Author Affiliation: Div. of Mater. Sci., Lawrence Berkeley Laboratory, CA, USA
Journal: Physical Review Letters vol.66, no.5 p.584-7
Publication Date: 4 Feb. 1991 Country of Publication: USA
CODEN: PRLTAO ISSN: 0031-9007
Language: English
Abstract: **Optical pumping** has been used to enhance the pulsed **NMR** signal of /sup 129/Xe, allowing the detection of low-pressure xenon gas and of xenon adsorbed on powdered solids. The authors observe an increase in sensitivity of more than two orders of magnitude over conventional **NMR**, the current limitation being the laser power. Adsorbed xenon is observed at 298 K on graphitized carbon (10 m/sup 2//g) and on powdered benzanthracene (approximately 0.5 m/sup 2//g) below 170 K. The increased sensitivity of this technique allows the study of a large class of amorphous materials with **surface** areas **below** 10 m/sup 2//g including semiconductors, polymers, metal oxides and catalysts.
Subfile: A

22/3,AB/2 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

1544007 H.W. WILSON RECORD NUMBER: BAST97058586
Optical pumping and magic angle spinning: sensitivity and resolution enhancement for surface **NMR** obtained with laser-**polarized** xenon
Raftery, Daniel; MacNamara, Ernesto; Fisher, Gregory
Journal of the American Chemical Society v. 119 (Sept. 17 '97) p. 8746-7
DOCUMENT TYPE: Feature Article ISSN: 0002-7863

ABSTRACT: **Optically pumped** 129Xe was used to improve **surface** proton spins **under** high-resolution, solid-state magic angle spinning (MAS) **NMR** spectroscopic conditions. The enhancement offered by the OPMAS (**optical pumping** and magic angle spinning) method is modest for high-surface areas such as fumed silica. Nevertheless, the observed signals represent an increase of signal corresponding to 4 [times] 1018 spins at equilibrium **polarization**. The enhancements should **increase** significantly following optimization of the **optical pumping** setup and the **polarization** transfer step.

22/3,AB/3 (Item 2 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

1123916 H.W. WILSON RECORD NUMBER: BAST93056068
High-field cross **polarization NMR** from laser-**polarized** xenon to a polymer surface
Long, H. W; Gaede, H. C; Shore, J
Journal of the American Chemical Society v. 115 (Sept. 8 '93) p. 8491-2

DOCUMENT TYPE: Feature Article ISSN: 0002-7863

ABSTRACT: Laser-**polarized** xenon was used as a source of magnetization for a high-field cross **polarization** experiment. Contact between laser-**polarized** xenon, adsorbed on poly(triarylcarbinol), and surface spins was achieved in high field by Hartmann-Hahn matching of the energy levels in the rotating frame. **NMR** was used to detect the **polarized** species directly. It was found that, **under** favorable circumstances (high **surface** area and long relaxation time), laser-**polarized,** adsorbed xenon can be employed to transfer spin order to surface spins selectively.